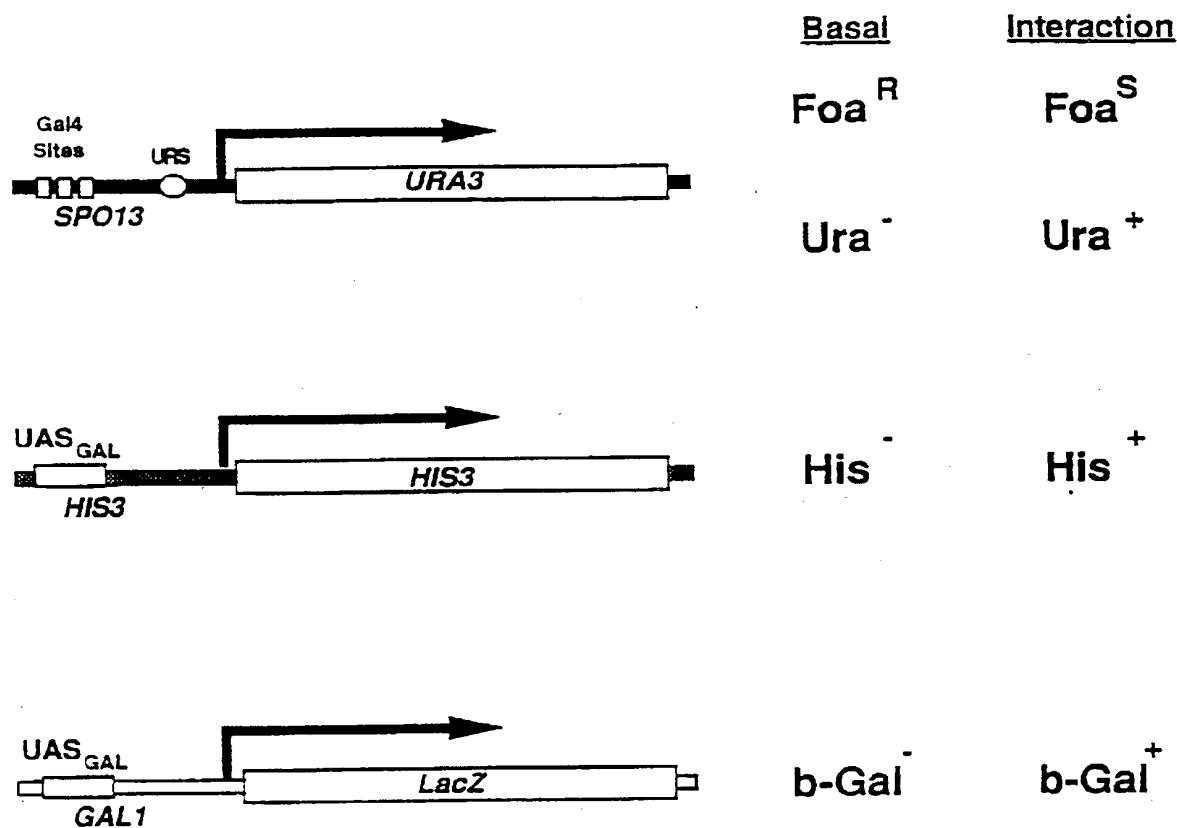


FIGURE 1

Matter No.: 10974-239005  
Applicant(s): Marc Vidal et al.  
REVERSE TWO-HYBRID SYSTEMS

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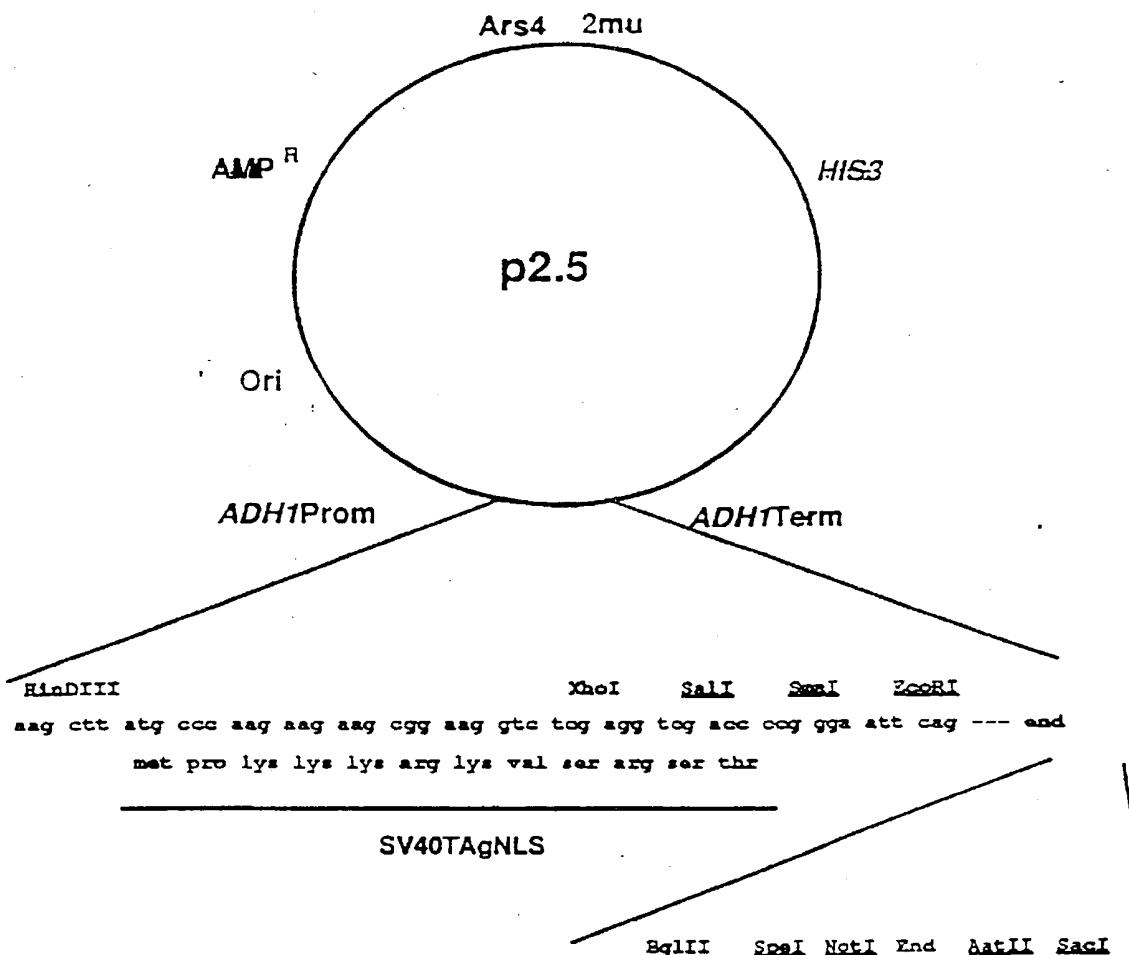


EQUITY OF INVENTION

**FIGURE 2**

Matter No.: 10974-239005  
Applicant(s): Marc Vidal et al.  
REVERSE TWO-HYBRID SYSTEMS

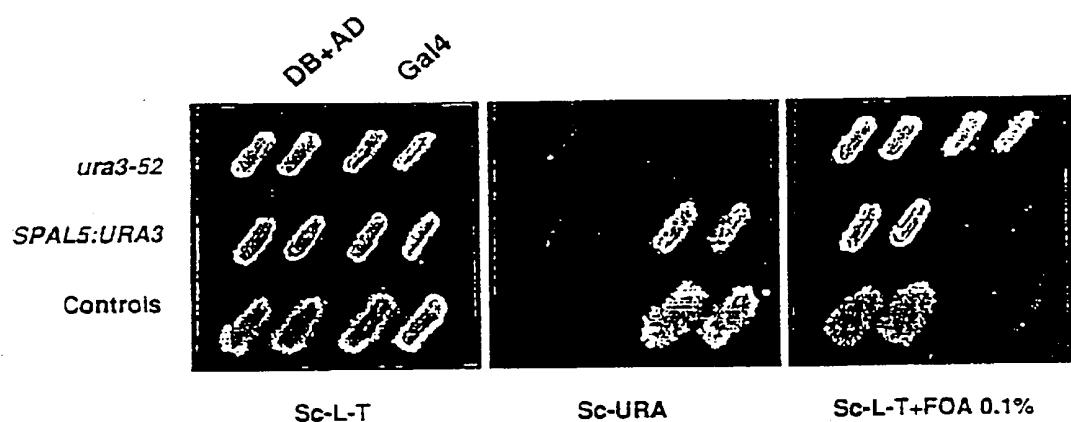
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**FIGURE 3**

Matter No.: 10974-239005  
Applicant(s): Marc Vidal et al.  
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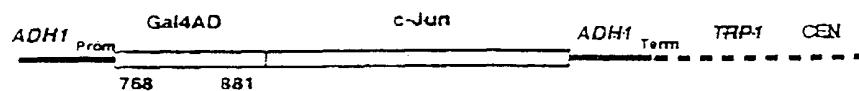
2025 RELEASE UNDER E.O. 14176

**FIGURE 4**

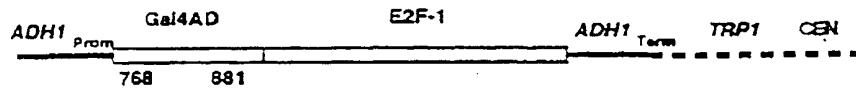
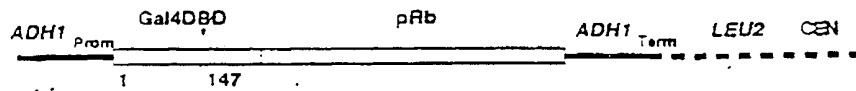
Matter No.: 10974-239005  
Applicant(s): Marc Vidal et al.  
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1)



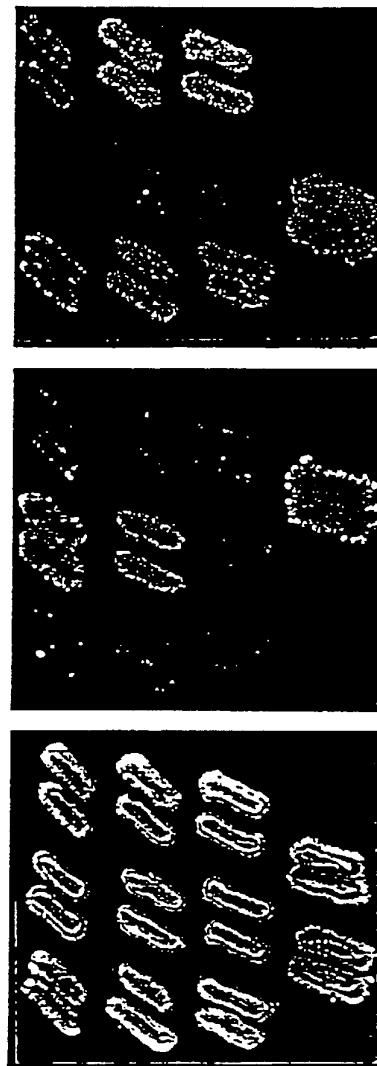
2)



**FIGURE 5**

Patent No.: 10974-239005  
Applicant(s): Marc Vidal et al.  
REVERSE TWO-HYBRID SYSTEMS

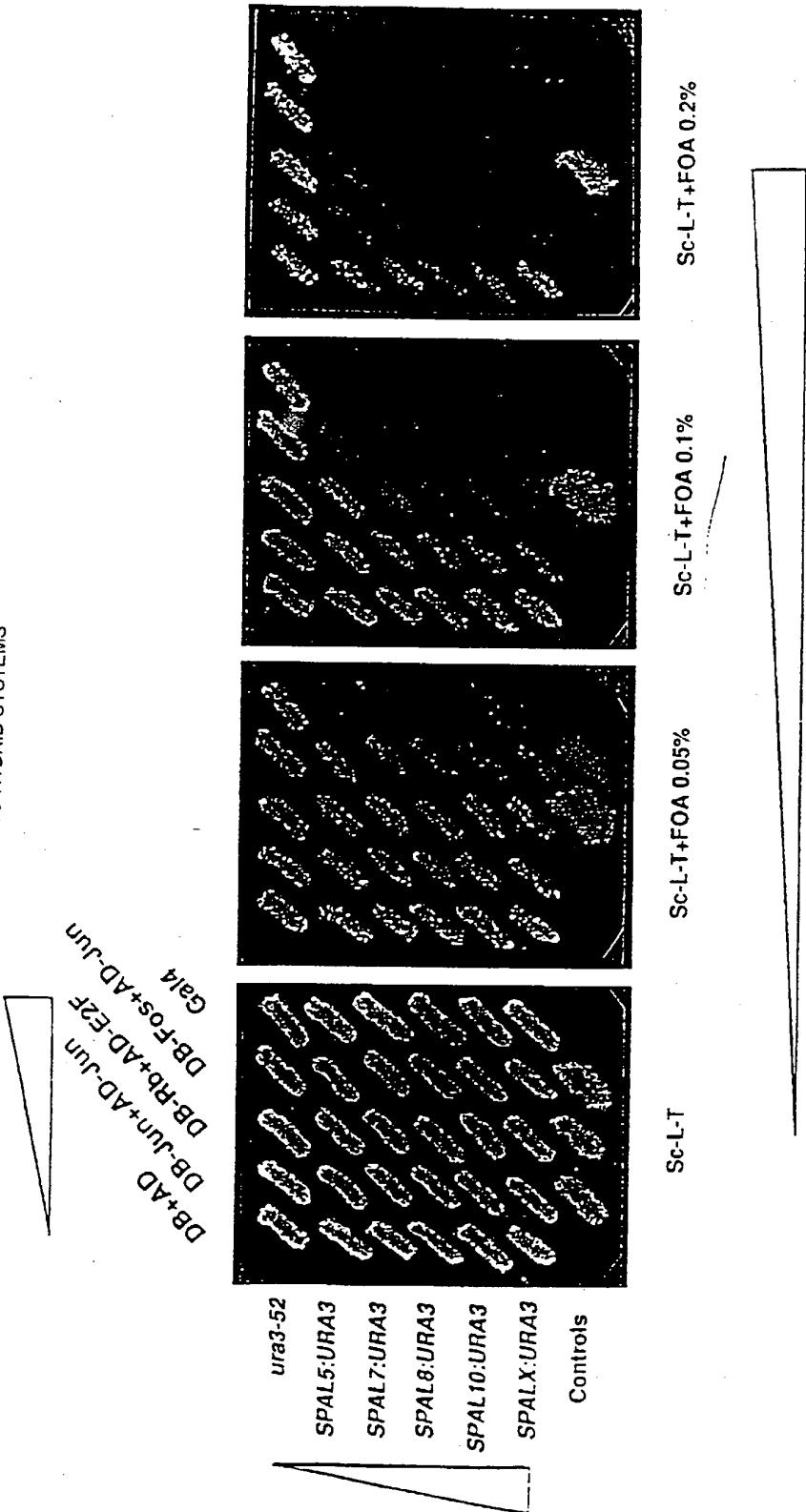
DB	Gal4	Vectors
AD		
DB-Fos	DB-Fos	DB
AD	AD-Jun	AD-Jun
DB-Rb	DB-Rb	DB
AD	AD-E2F	AD-E2F
		Controls



Sc-L-T+FOA 0.2%  
Sc-L-T-Ura  
Sc-L-T

**FIGURE 6**

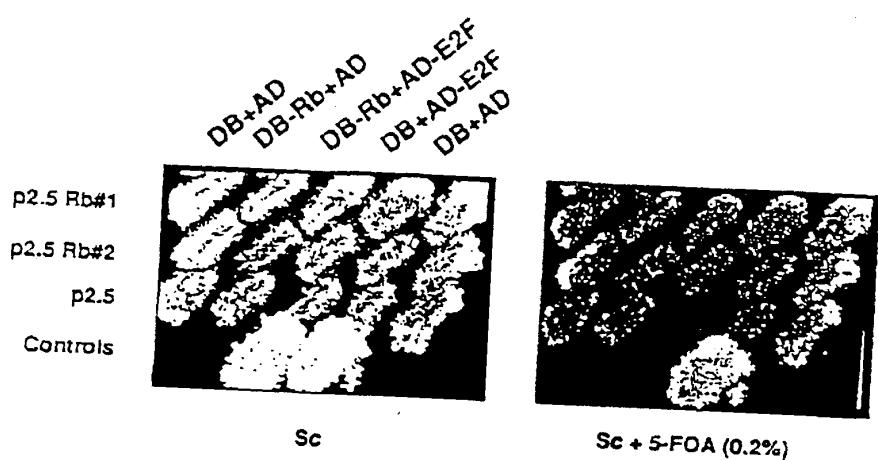
Applicant(s): Marc Vidal et al.  
REVERSE TWO-HYBRID SYSTEMS  
Matter No.: 10974-239005  
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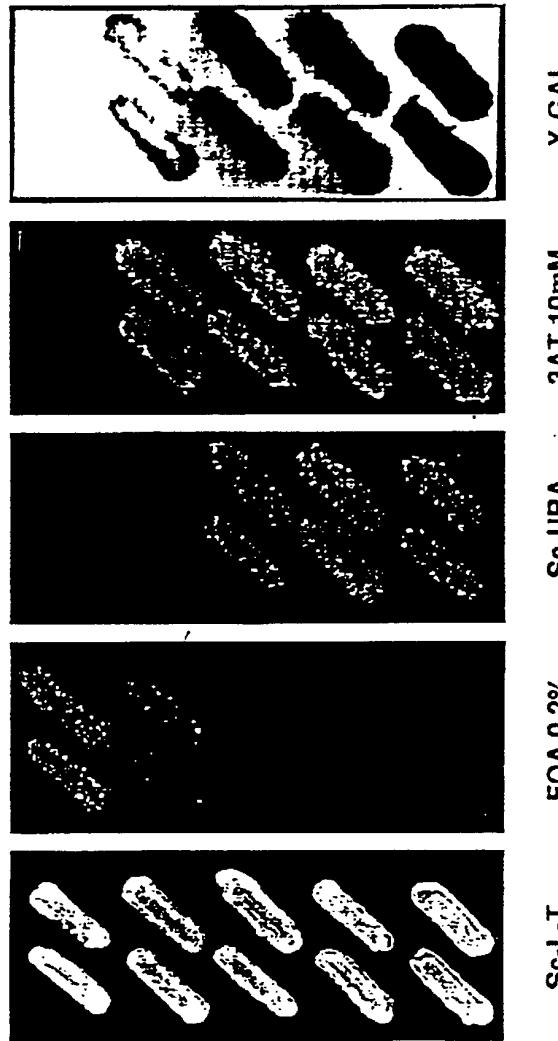


**FIGURE 7**

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DB+AD

DB-pRb+AD-E2F1

DB-Fos+AD-Jun

Gal4+AD

DB-dDP1+AD-dE2F

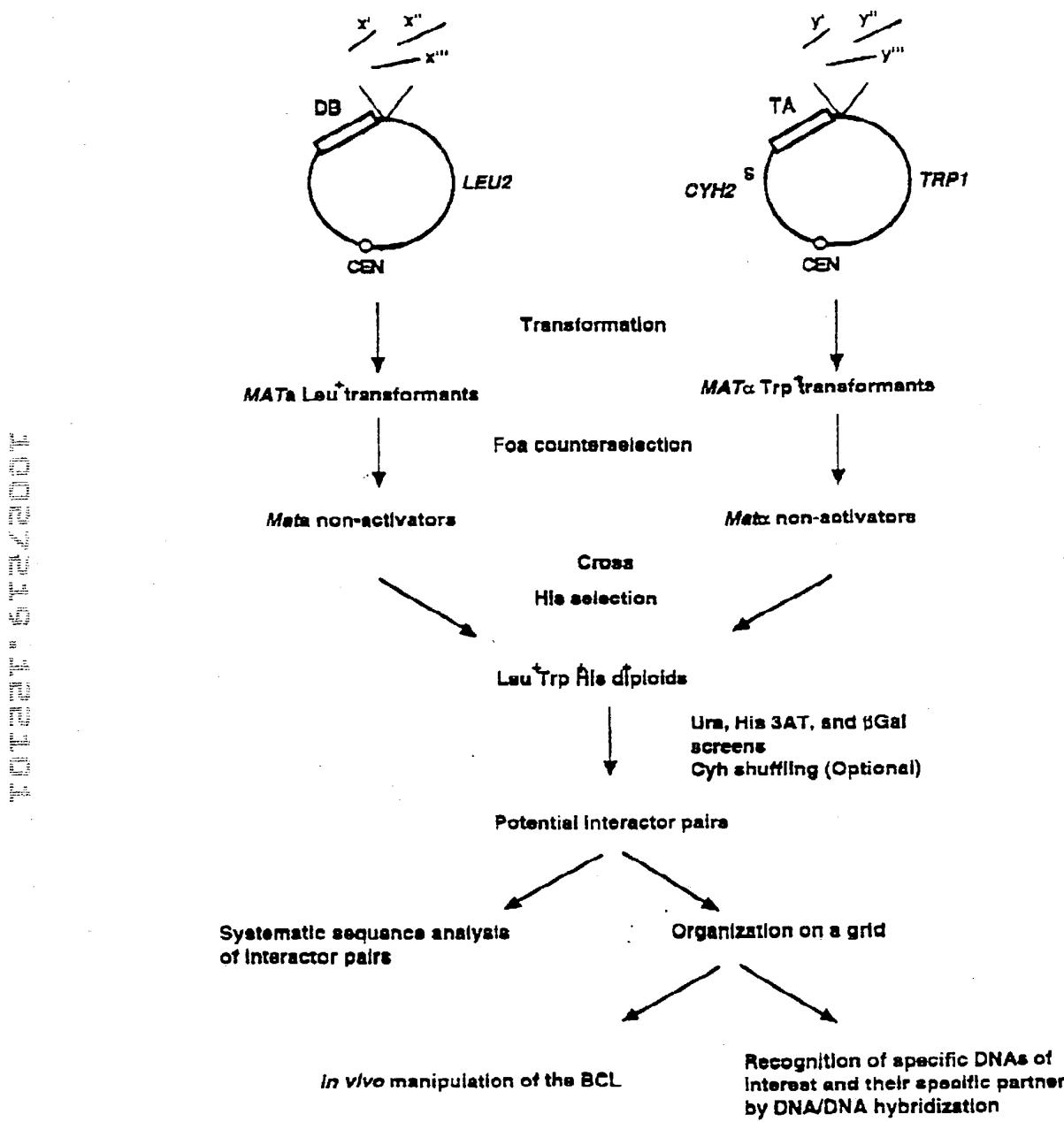
X-GAL

Sc-URA

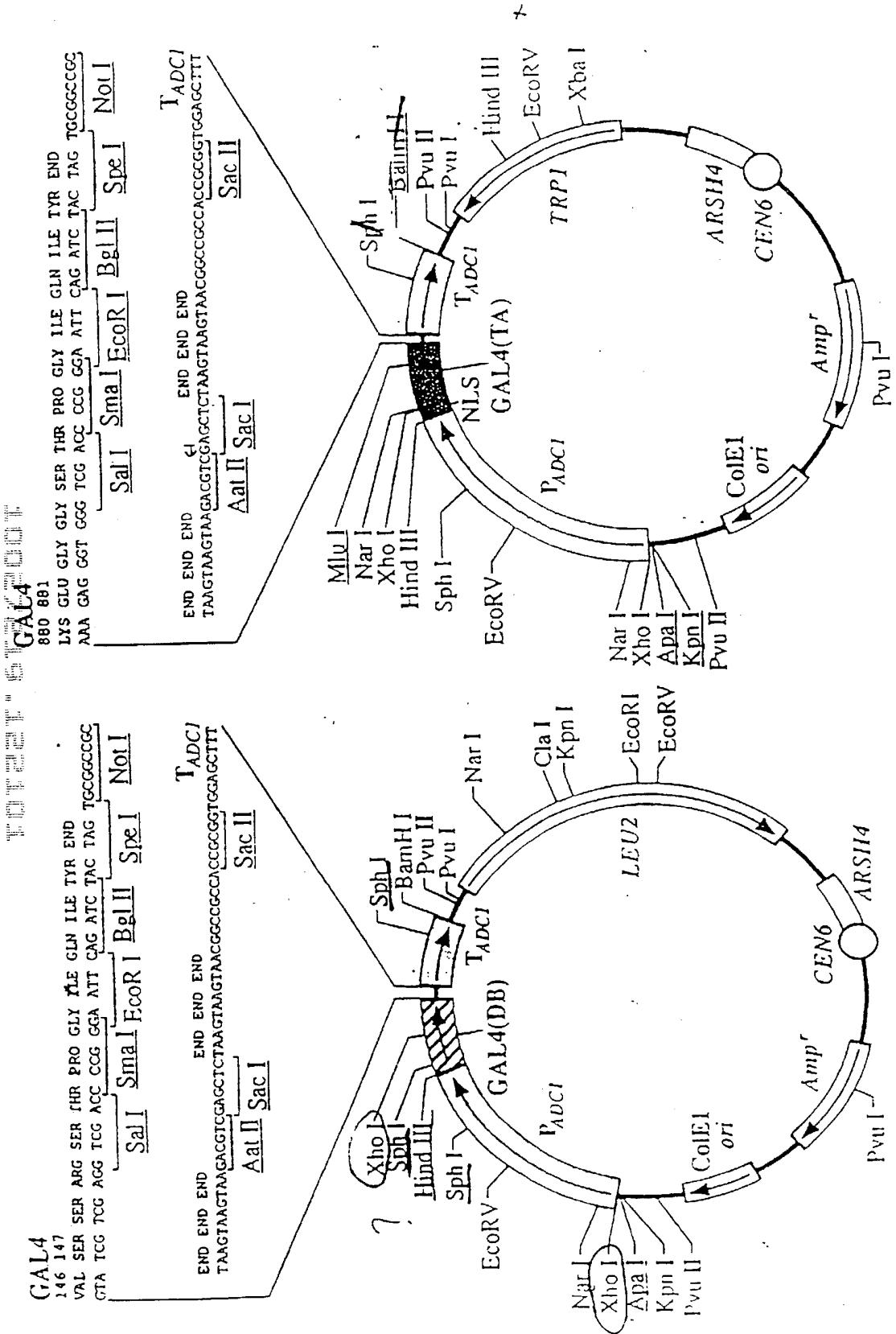
FOA 0.2%

3AT 10mM

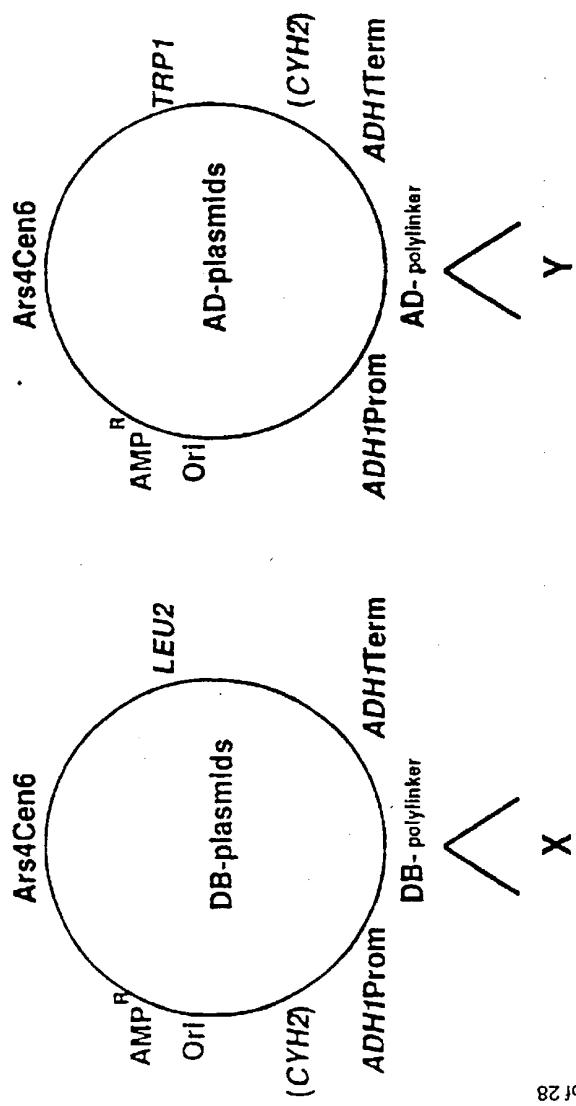
FIGURE 9



Matter No.: 10974-239005  
Applicant(s): Marc Vidal et al.  
REVERSE TWO-HYBRID SYSTEMS

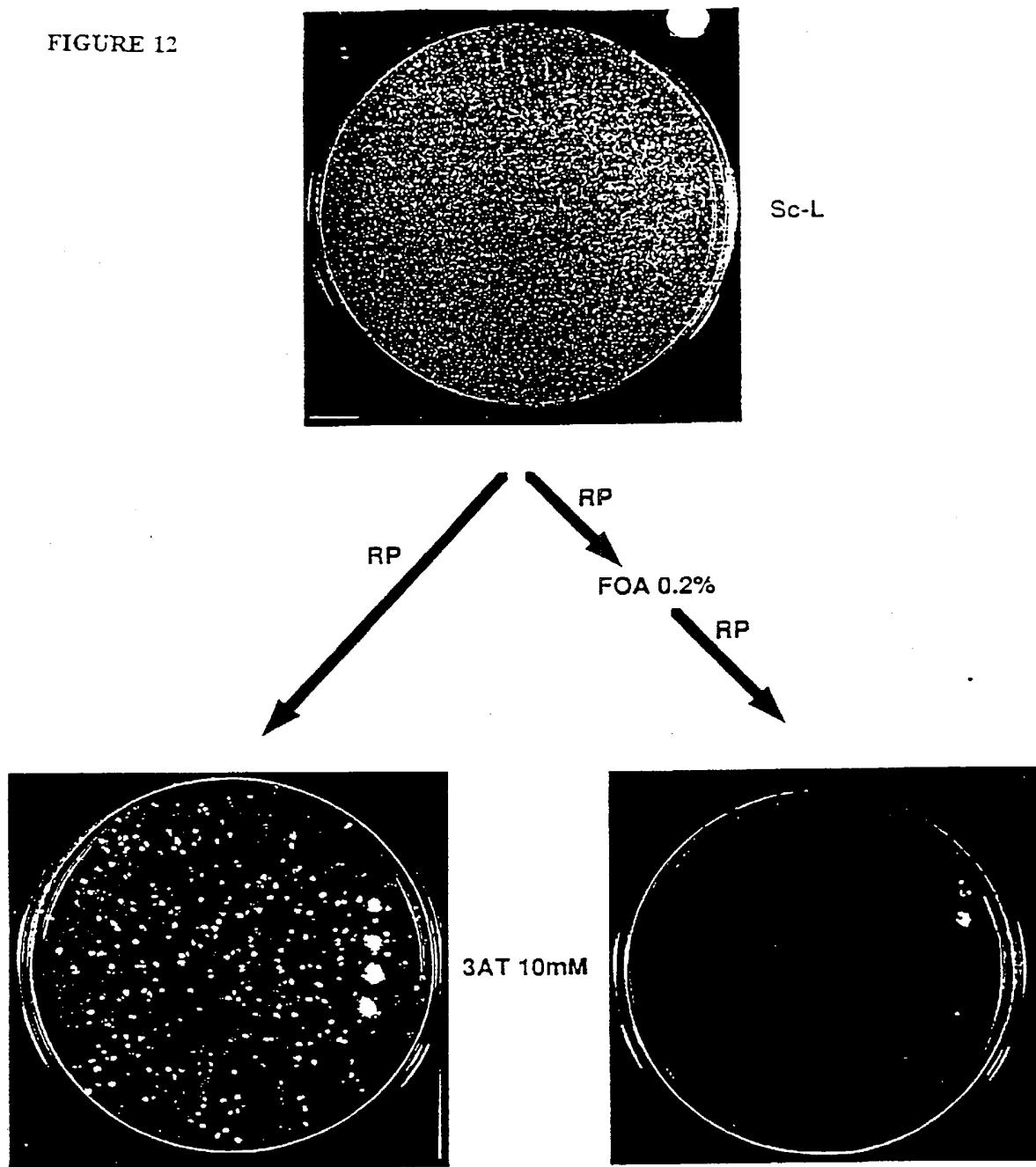


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Applicant(s): Marc Vidal et al.  
REVERSE TWO-HYBRID SYSTEMS



DB-X	Total	HIs+	Retested	Known Interacting	"Novel" interacting	False positive
None	1x10	6	1	0		
p130	5x10	5	19	9	0	5 → 2
DP1	2x10	5	7	7	6 → 2	1 → 1
pRb	1x10	6	20	0		
p35	1x10	6	20	8	0	8 → 2
CDK3	1x10	6	38	16		
CDK3	1x10	6	38	16		
DCC1	3x10	6	81	23	0	
Zebu	1x10	6	81	23		

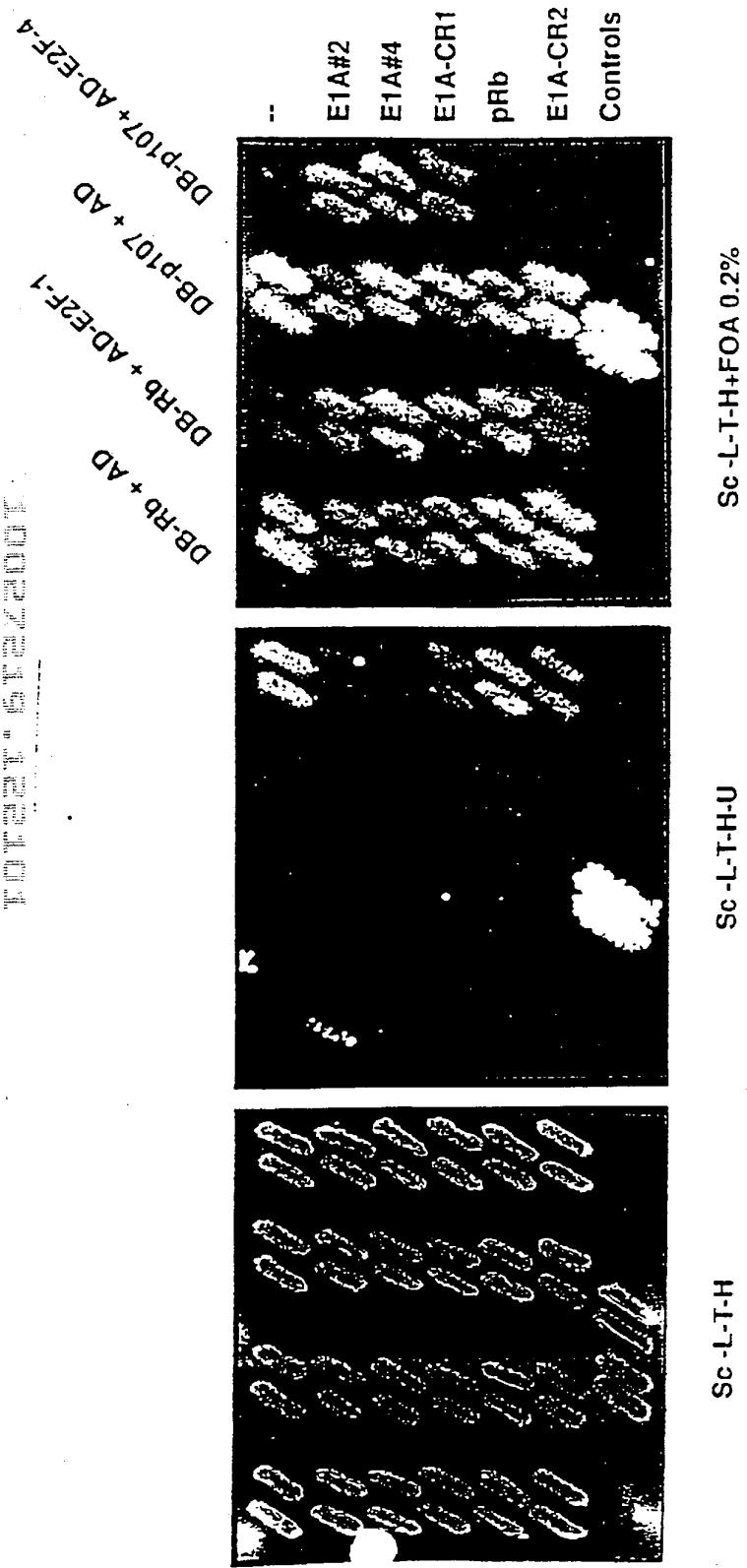
FIGURE 12



DB-X	AD-Y	AD-pRb	AD-107	AD-130	DP1	CDK2	Jun	None
None								
E2F1		2		1				
E2F2			1					
E2F3				2				
E2F4					24			
Fos								
Jun								
CyclinA								
p21								
DCC1								

Matter No.: 10974-239005  
 Applicant(s): Marc Vidal et al.  
 REVERSE TWO-HYBRID SYSTEMS

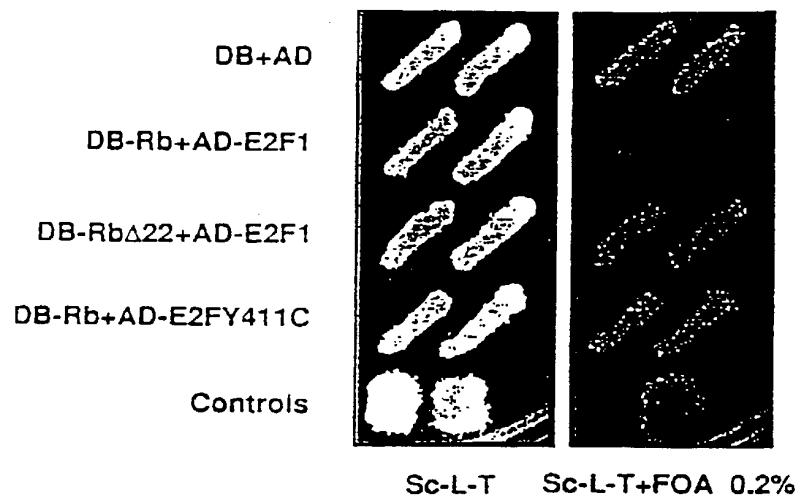
**FIGURE 14**



Matter No.: 10974-239005  
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REVERSE TWO-HYBRID SYSTEMS

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FIGURE 15



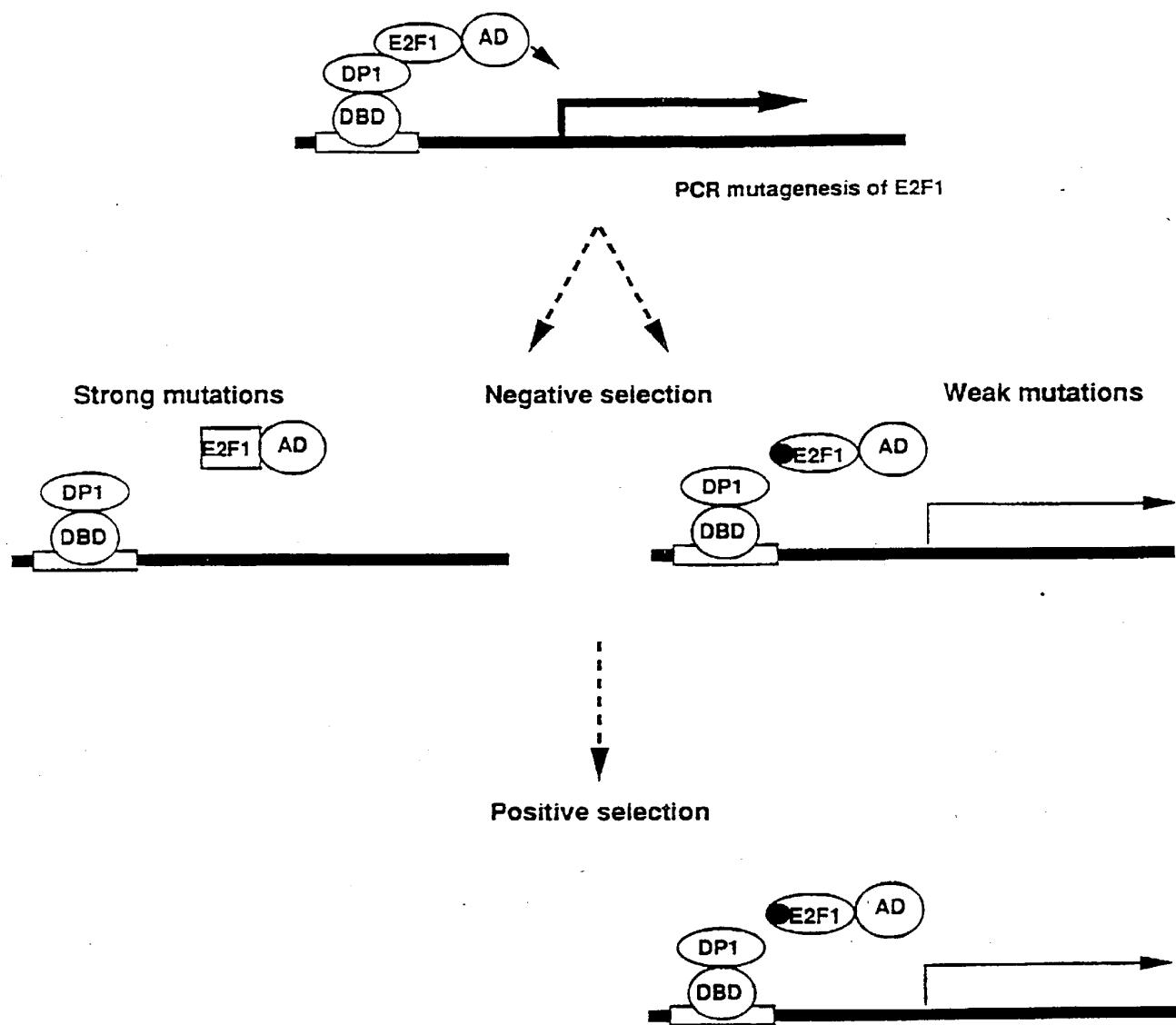
1000273349 • 3.22.1.G.4

Matter No.: 10974-239005  
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FIGURE 16

PCT International Search Report



**FIGURE 17**

REVERSE TWO-HYBRID SYSTEMS

**Negative Selection**

**Positive Selection**

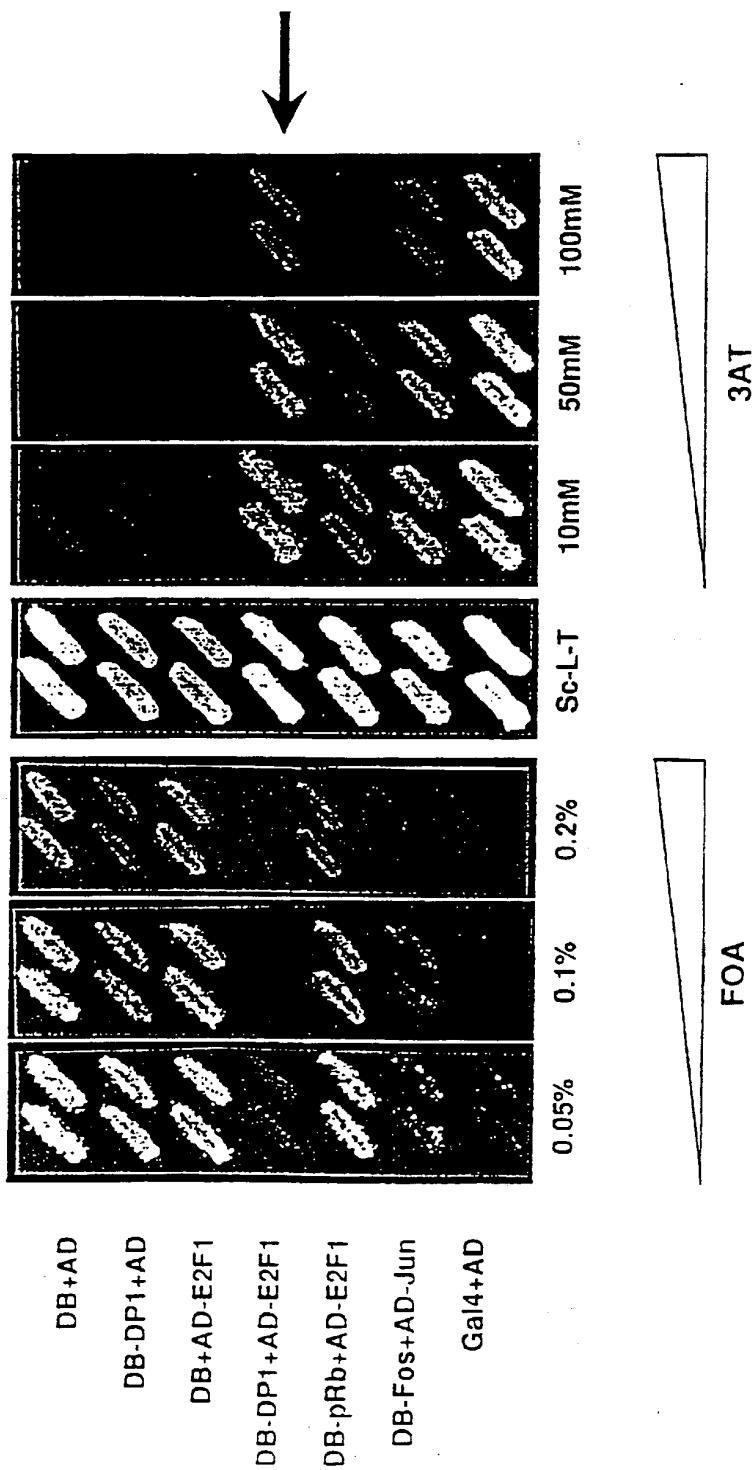
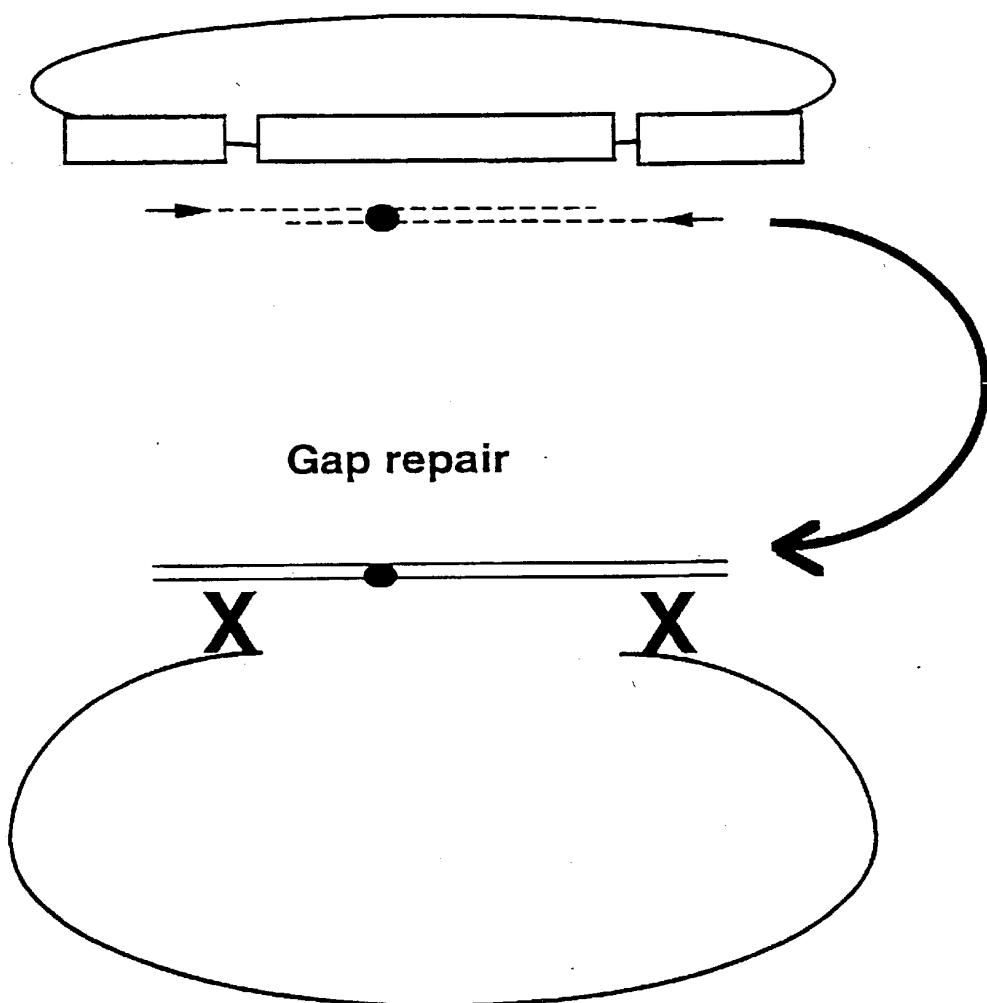


FIGURE 18A

PCR reaction

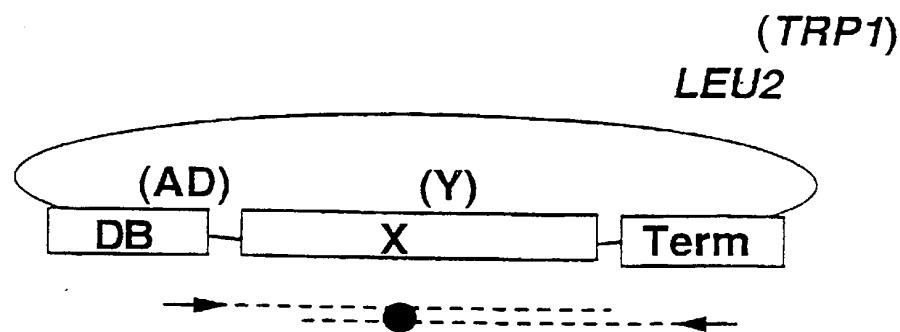


Matter No.: 10974-239005  
Applicant(s): Marc Vidal et al.  
REVERSE TWO-HYBRID SYSTEMS

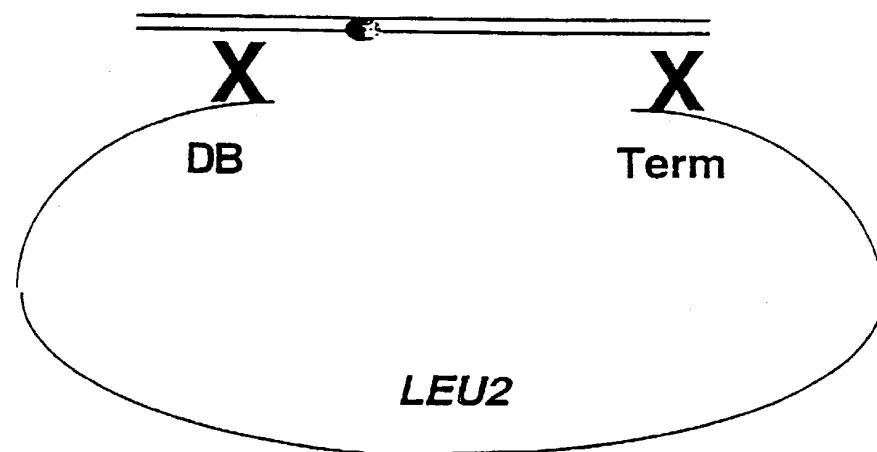
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FIGURE 18B

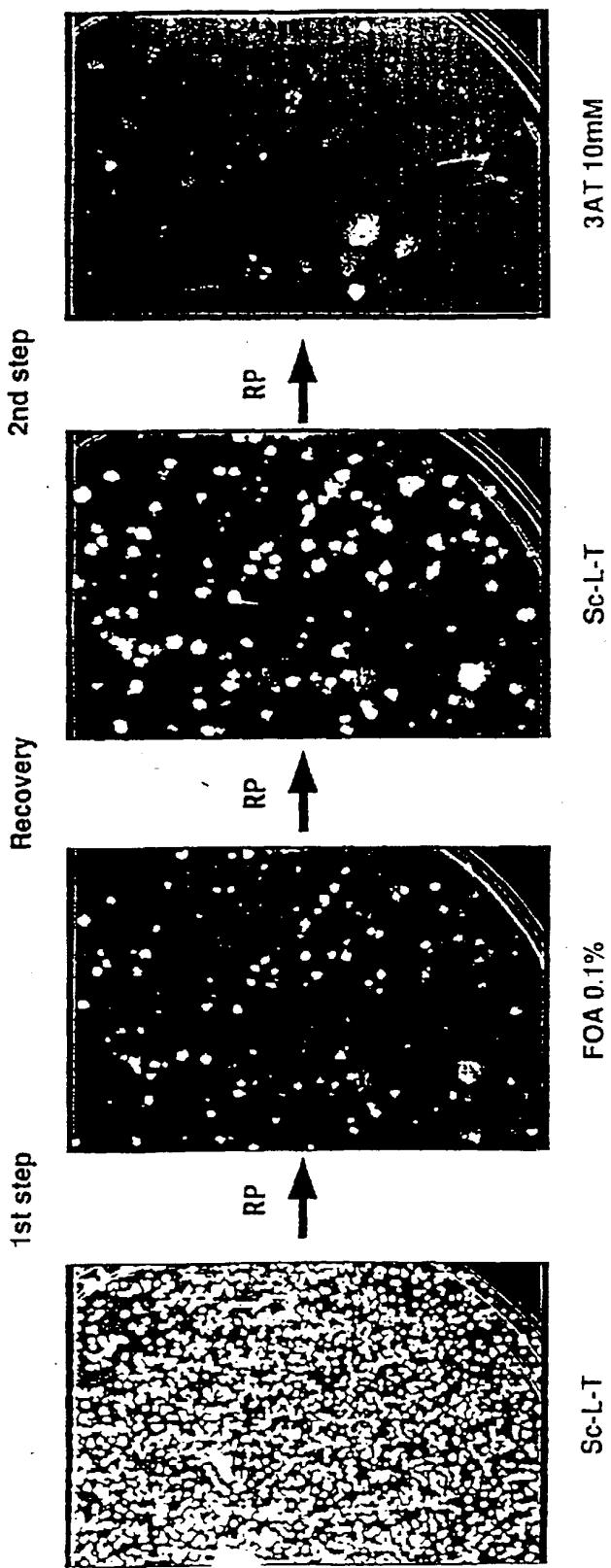
In vitro mutagenic PCR reaction



In vivo gap repair



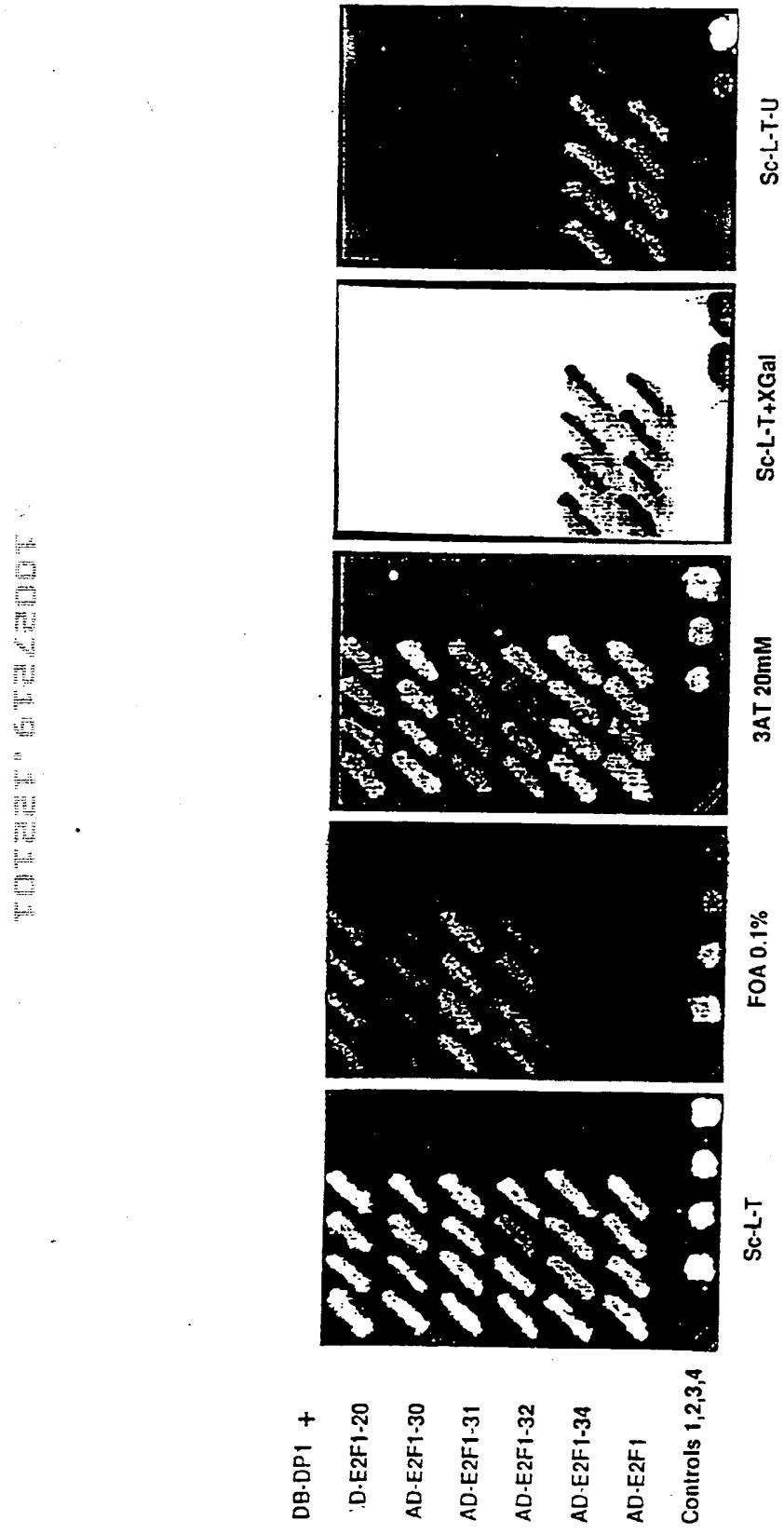
**FIGURE 19**



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REVERSE TWO-HYBRID SYSTEMS

**FIGURE 20**



Matter No.: 10974-239005  
Applicant(s): Marc Vidal et al.  
REVERSE TWO-HYBRID SYSTEMS

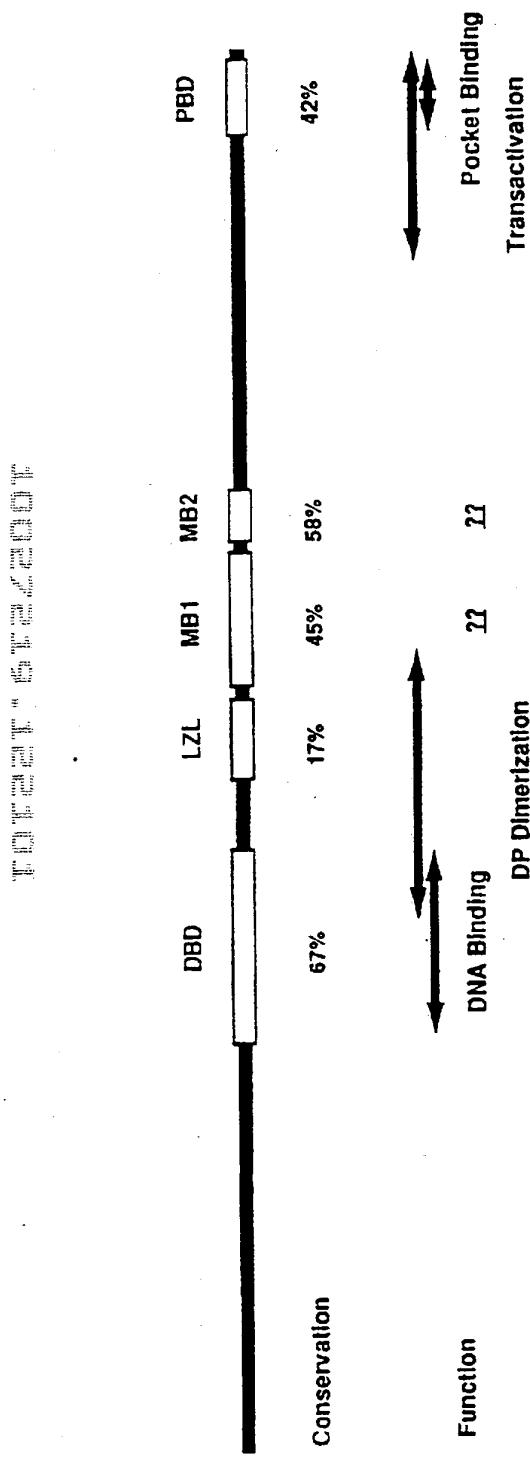
FIGURE 21

MARKED BOX 2

Matter No.: 10974-239005  
Applicant(s): Marc Vidal et al.  
REVERSE TWO-HYBRID SYSTEMS

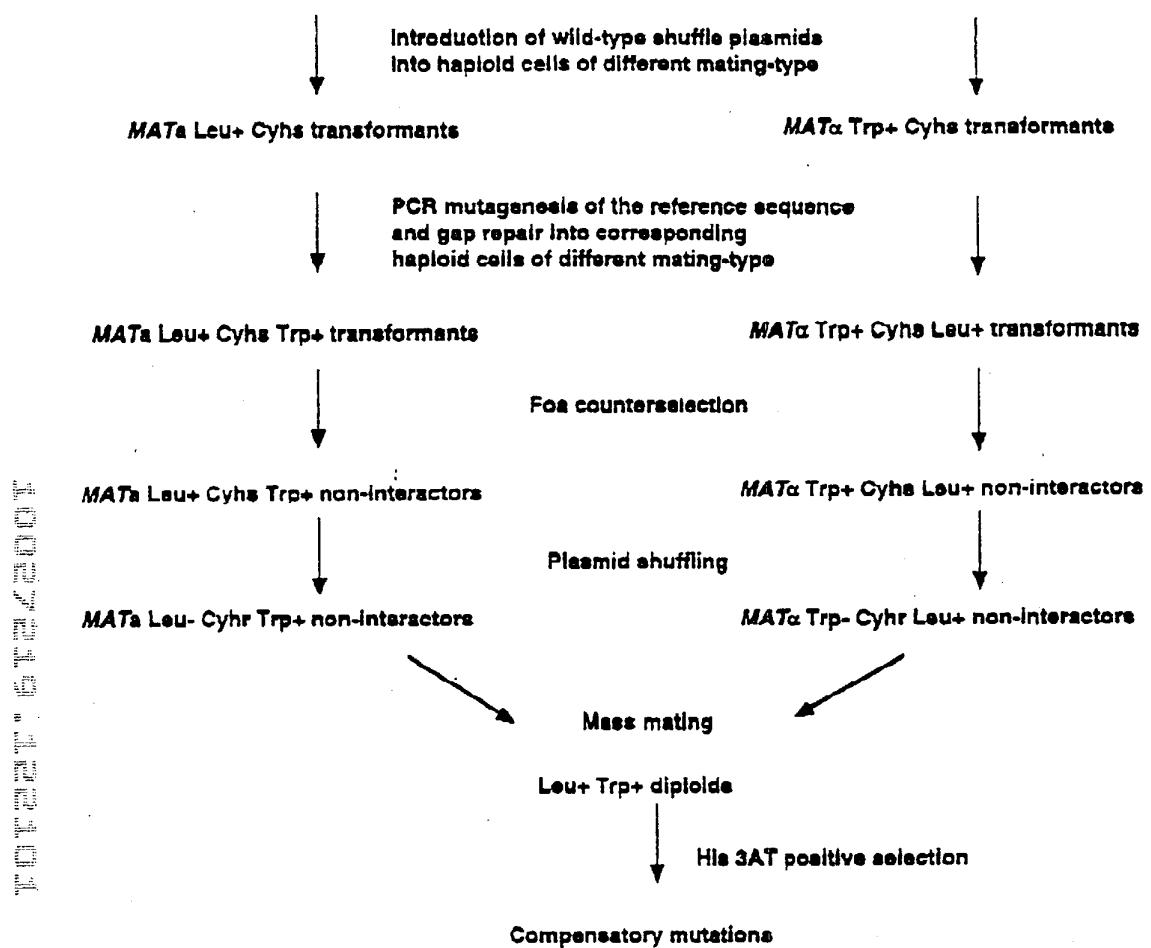
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**FIGURE 22**



Matter No.: 10974-239005  
Applicant(s): Marc Vidal et al.  
REVERSE TWO-HYBRID SYSTEMS

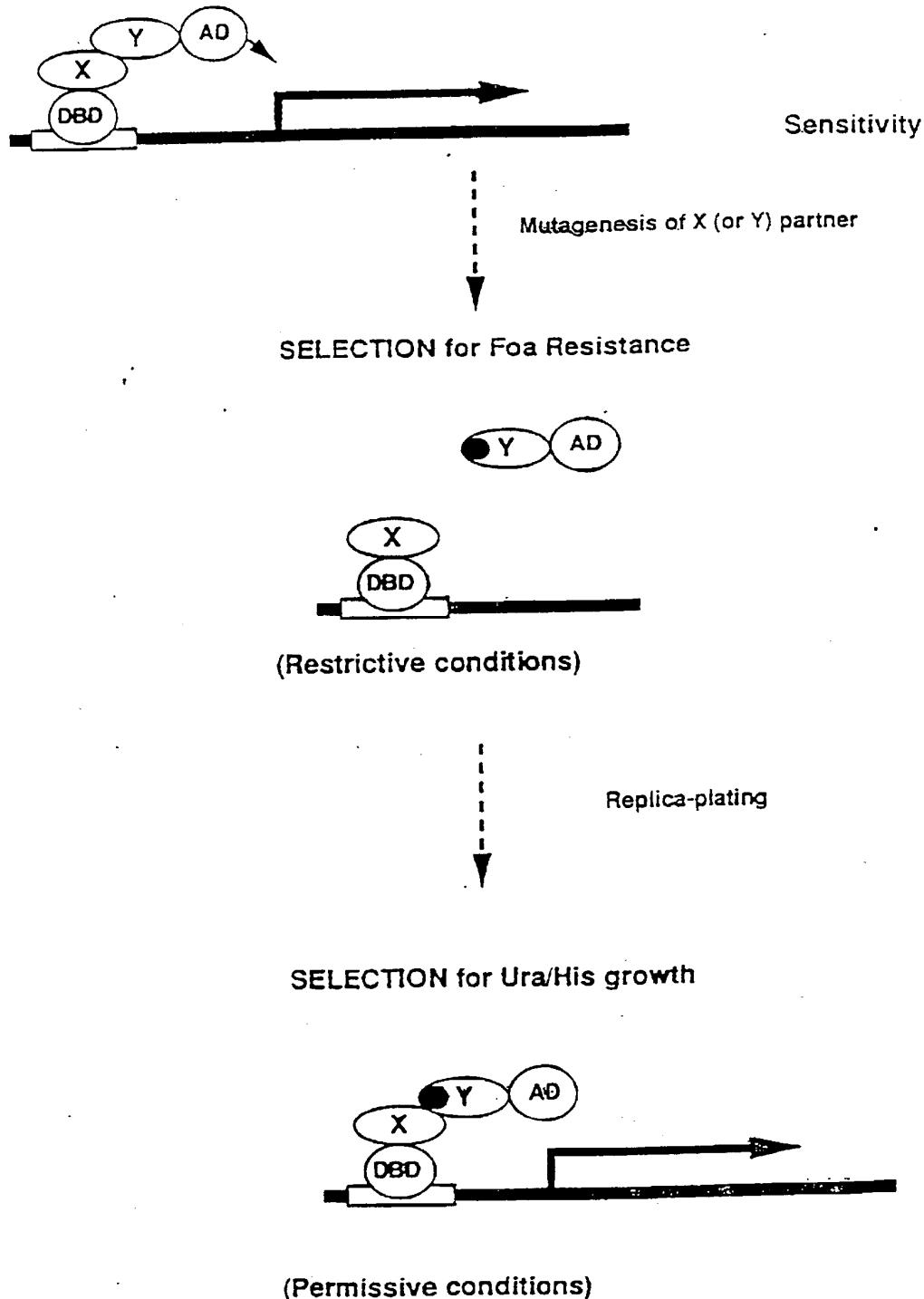
FIGURE 23A



**FIGURE 23B**

Matter No.: 10974-239005  
Applicant(s): Marc Vidal et al.  
REVERSE TWO-HYBRID SYSTEMS

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**FIGURE 24**

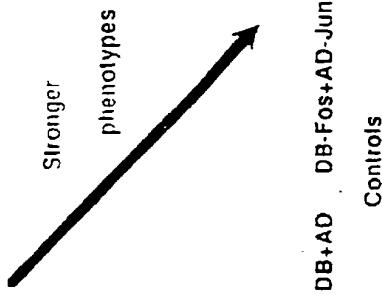
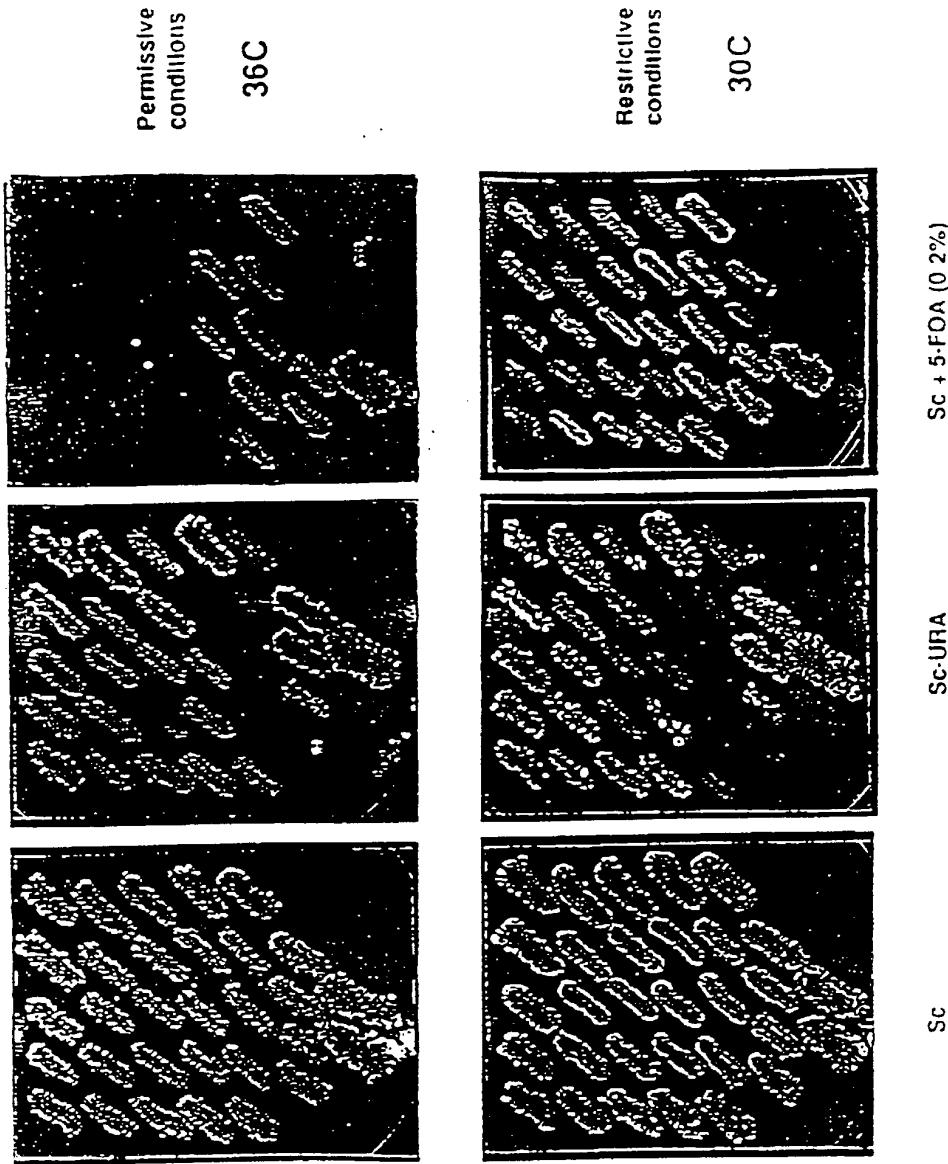


FIGURE 25

DO NOT SCALE DRAWINGS

